

Atty. Dkt. No. 034536-1034

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Gregory PLOWMAN et al.

Title: NUCLEIC ACIDS ENCODING PAK5 POLYPEPTIDES
AND METHODS OF USE THEREOF

Appl. No.: 10/725,330

Filing Date: 12/02/2003

Examiner: Unassigned

Art Unit: 1652

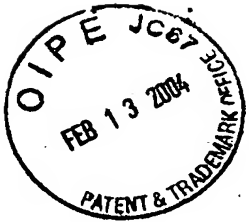
INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Applicants submit herewith on Form PTO/SB/08 a listing of the documents cited by or submitted to the U.S. PTO in parent application Serial No. 09/688,188, filed 10/16/2000. As provided in 37 CFR §1.98(d), copies of the documents are not being provided since they were previously submitted to the United States Patent & Trademark Office in the above-identified parent application.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.



TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

The relevance of the listed documents is explained in the parent application.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

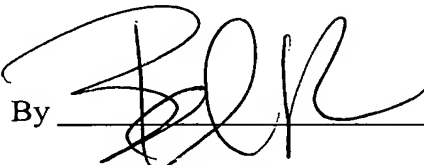
Date 2/13/04

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By 

Beth A. Burrous

Attorney for Applicants

Registration No. 35,087



Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

Date Submitted: February 13, 2004

(use as many sheets as necessary)

1	of	15
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Complete if Known

Application Number	10/725,330
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Filing Date	12/02/2003
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First Named Inventor	Gregory Plowman
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Group Art Unit	1652
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Examiner Name	Unassigned
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Attorney Docket Number	034536-1034
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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	4,343,940		Kreighbaum	08/10/1982	
-	A2	4,376,110		David et al.	03/08/1983	
	A3	4,447,608		Jones	05/08/1984	
	A4	4,757,072		Kabbe	07/12/1988	
	A5	4,945,050		Sanford	07/31/1990	
	A6	5,217,999		Levitzki	06/08/1993	
	A7	5,302,606		Spada	04/12/1994	
	A8	5,316,553		Kaul	05/31/1994	
	A9	5,330,992		Eissenstat	07/19/1994	
	A10	6,013,500		Minden	01/2000	

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Num ber ⁴	Kind Code ⁵ (if known)				
	A11	WO	91/15495		Dow	10/17/1991		
	A12	EP	0 520 722	A1	Barker	06/22/1992		
	A13	PCT	92/21660		Dow	12/10/1992		
	A14	PCT	92/20642		Spada	11/26/1992		
	A15	PCT	93/09236		Schwartz	05/13/1993		
	A16	EPO	0 562 734	A1	Pegg	09/29/1993		
	A17	EPO	0 566 226	A1	Barker	10/20/1993		
	A18	WO	94/03427		Dobrusin	02/17/1994		
	A19	WO	94/14808		Buzetti	07/07/1994		
	A20	WO	96/22976		Buzzetti	08/01/1996		
	A21	WO	97 42212			11/13/1997		
	A22	WO	99 15635			04/01/1999		
	A23	WO	99 32637			07/01/1999		
	A24	WO	99 07854			02/18/1999		
	A25	WO	99 02699			01/21/1999		

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	A26	Abe et al., "Molecular Characterization of a Novel Metabotropic Glutamate Receptor mGluR5 Coupled to Inositol Pophosphate/Ca ²⁺ Signal," <u>J. Biol. Chem.</u> 267(19):13361-13368 (1992)	

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Signature**

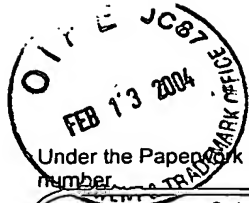
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/725,330
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		Group Art Unit	1652
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		Attorney Docket Number	034536-1034
Sheet	2	of	15

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	A27	ABO et al., "PAK4, A Novel Effector For Cdc42Hs, Is Implicated In The Reorganization Of The Actin Cytoskeleton And In The Formation Of Filopodia", The EMBP Journal, Vol. 17, No. 22, Pages 6527-6540, 16 November 1998	
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	A32	Anafi et al., "SH2/SH3 Adaptor Proteins Can Link Tyrosine Kinases to a Ste20-Related Protein Kinase, HPK1*," <u>J. Biol. Chem.</u> 272:27804-27811 (1997)	
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	A37	Barker et al., "In vitro activity of non-glutamate containing quinazoline-based thymidylate synthase inhibitors," <u>Proceedings of the American Association for Cancer Research</u> 32:327 at abstract no. 1939 (1991)	
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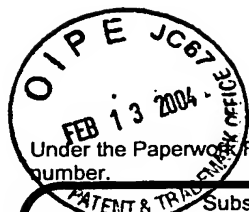
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	A41	Bertino, "Toward Improved Selectivity in Cancer Chemotherapy: The Richard and Hinda Rosenthal Foundation Award Lecture," <u>Cancer Research</u> 39:293-304 (1979)	
	A42	Bilder et al., "Tyrphostins inhibit PDGF-induced DNA synthesis and associated early events in smooth muscle cells," <u>Am. J. Physiol.</u> 260(Cell Physiol.29):C721-C730 (1991)	
	A43	Bollon and Stauver, "DNA Transformation Efficiency of Various Bacterial and Yeast Host-Vector Systems," <u>Journal of Clinical Hematology and Oncology</u> 10(2&3):39-48 (1980)	
	A44	Botstein et al., "Making Mutations in vitro and Putting Them Back into Yeast," <u>Miami Winter Symposia - From Gene to Protein: Translation into Biotechnology</u> , edited by Ahmad et al., Academic Press, 19:265-274 (1982)	
	A45	Brinster et al., "Factors Affecting the Efficiency of Introducing Foreign DNA into Mice by Microinjecting Eggs," <u>Proc. Natl. Acad. Sci. USA</u> 82:4438-4442 (1985)	
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	A47	Broach, "The Yeast Plasmid 2μ Circle," in <u>The Molecular Biology of the Yeast Saccharomyces: Life Cycle and Inheritance</u> , Cold Spring Harbor Laboratory, Cold Spring Harbor, NY, pp. 445-470 (1981)	
	A48	Brown et al., "Human Ste20 Homologue hPAK1 Links GTPases to the JNK MAP Kinase Pathway," <u>Current Biol.</u> 6:598-605 (1996)	
	A49	Brunton et al., "Anti-tumour activity of novel tryphostins in breast cancer cells," <u>Proceedings of the American Association for Cancer Research</u> 33:558 at abstract no. 3335 (1992)	
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	A51	Buccione et al., "The Acceleration of Anterograde Membrane Traffic is an Immediate Event Following the Activation of Multiple Plasmms Membrane Receptors," <u>Mol. Bio. Cell</u> 6:291 (1995)	
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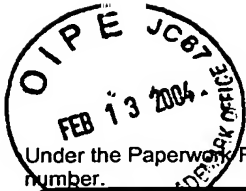
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	A55	Burke et al., "Arylamides of Hydroxylated Isoquinolines as Protein-Tyrosine Kinase Inhibitors," <u>Bioorganic & Medical Chemistry Letters</u> 2(12):1771-1774 (1992)	
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	A58	Capecchi, "Altering the Genome by Homologous Recombination," <u>Science</u> 244:1288-1292 (1989)	
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	A62	Chater et al., "Streptomyces ØC31-Like Phages: Cloning Vectors, Genome Changes and Host Range," in <u>Sixth International Symposium on Actinomycetes Biology</u> , edited by Szabe et al., Akademiai Kiado, Budapest, Hungary, pp. 45-52 (1986)	
	A63	Chen and Okayama, "High-Efficiency Transformation of Mammalian Cells by Plasmid DNA," <u>Molecular and Cellular Biology</u> 7(8):2745-2752 (1987)	
	A64	Chomczynski and Sacchi, "Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction," <u>Analytical Biochemistry</u> 162:156-159 (1987)	
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	A66	Cullen, "HIV-1: Is Nef a PAK Animal?" <u>Curr. Biol.</u> 6:1557-1559 (1996)	
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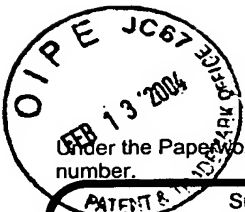
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	A69	Daniels et al., "Membrane Targeting of p21-Activated Kinase 1 (PAK1) Induces Neurite Outgrowth from PC12 Cells," <u>EMBO J.</u> 17:754-764 (1998)		
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	A72	Database EMBL [Online], ID: AA766905, NCI-CGAP: "...Homo Sapiens cDNA Clone Image:1301771 Similar To TR:Q42341 Q42341 Serine-Threonine Protein Kinase...", 30 January 1998		
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	A81	Database EMBL [Online], ID: HS1259479, NCI-CGAP: "...Homo Sapiens cDNA Clone IMAGE:814858 3' Similar To TR:G881958 G881958 MESS1", 20 June 1997		
	A82	Database EMBL [Online], ID: HS130B11B, Fujiwara et al., "Human Fetal Brain cDNA 5' -end GEN-130B11", 25 August 1995		

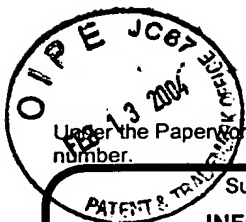
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: February 13, 2004

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Application Number	10/725,330
Filing Date	12/02/2003
First Named Inventor	Gregory Plowman
Group Art Unit	1652
Examiner Name	Unassigned
Attorney Docket Number	034536-1034

Sheet 6 of 15

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	A84	Database EMBL [Online], ID: MM1266197, Marra et al., "...Mus Musculus cDNA Clone 805425 5' Similar To WP:T17E9.1 CE01405", 22 June 1997	
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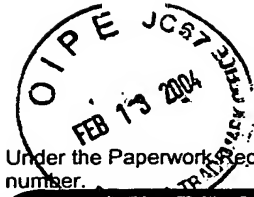
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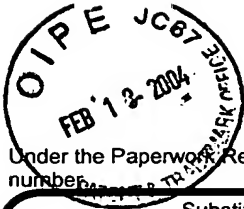
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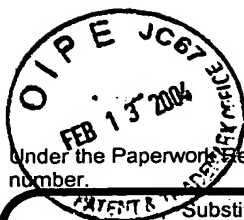
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	of	First Named Inventor	Gregory Plowman
	15	Group Art Unit	1652
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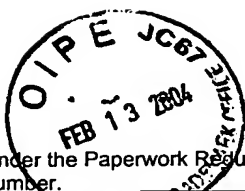
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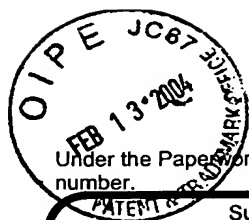
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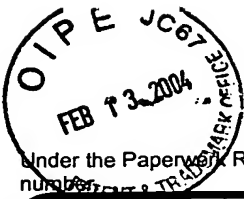
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		First Named Inventor	Gregory Plowman
		Group Art Unit	1652
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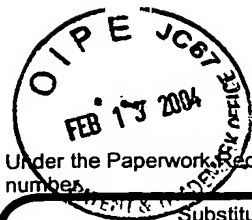
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		Group Art Unit	1652
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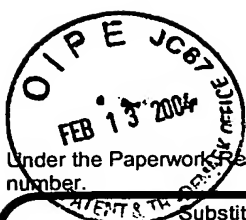
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Date Submitted: February 13, 2004

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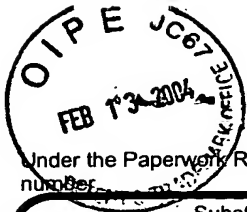
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